

Device for filtering liquids

Abstract of the Disclosure

5 The present invention relates to a device for filtering a medium.

According to the present invention, such a device having the following features is provided:

- 10 A device for filtering a medium;
- having at least one membrane disk;
 - having at least one turbulence disk;
 - the two disks being mounted so they are rotatable;
 - the two disks being positioned as follows:
 - 15 - their axes of rotation run essentially parallel to one another
 - they overlap in a top view
 - they are positioned close next to one another in the axial direction, so that the turbulence disk generates a turbulence in the region of the relevant lateral face of the membrane disk;
 - 20 - the membrane disk being connected to a hollow shaft so that they rotate together;
 - the hollow shaft being conductively connected to a cavity in the membrane disk;
 - the two disks being able to be driven in the same rotational direction;
 - 25 - the device is characterized in that the diameter of the membrane disk is sufficiently smaller than the diameter of the turbulence disk that the difference of the peripheral velocities of the two disks on the connection line between their axes of rotation is at least approximately equally large at every point in the overlap region.